

ALLIAGE ALUMINIUM-SILICIUM-MAGNESIUM POUR CARROSSERIE AUTOMOBILE**Patent number:** FR2748035**Publication date:** 1997-10-31**Inventor:** EHRSTROM JEAN CHRISTOPHE; SIGLI CHRISTOPHE; PILLET GEORGES**Applicant:** PECHINEY RHENALU (FR)**Classification:**- **international:** C22C21/02; C22F1/043- **european:** C22C21/02; C22C21/14; C22C21/16; C22F1/043; C22F1/057**Application number:** FR19960005595 19960429**Priority number(s):** FR19960005595 19960429**Also published as:**

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The invention discloses an aluminium alloy, to be used particularly in the manufacture of the external parts of a motor vehicle body, of the following composition (wt. %): Si: 0.5-0.8, Mg 0.45-0.65, Cu: 0.55-0.75, Mn and/or Cr: 0.1-0.3 with $1.6 < \text{Si} + \text{Mg} + \text{Cu} < 2.0$. The composition of the invention provides high mechanical strength following an easy solution-treatment step and paint curing at 150 to 170 DEG C.

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